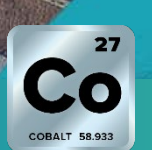
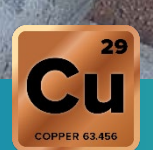
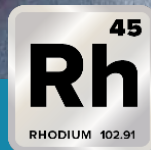
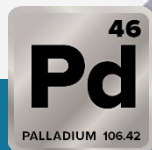
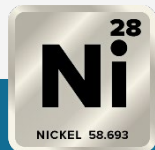


TSX.V: PGE | OTC: PGEZF



THE FUTURE OF DOMESTIC SUPPLY



June 13, 2022

FORWARD-LOOKING STATEMENTS

TSX-V:
PGE

OTCQB:
PGEZF

FSE:
5D32

Forward-Looking Information

This presentation contains certain forward-looking statements that reflect the current views and/or expectations of Stillwater Critical Minerals Corp. (the “Company” or “Stillwater Critical Minerals”) with respect to its business and future events including statements regarding its exploration plans and the Company’s expectations respecting future exploration results, the markets for the minerals underlying the Company’ projects, and growth strategies. Forward-looking statements are based on the then-current expectations, beliefs, assumptions, estimates and forecasts about the business and the markets in which the Company operates. Investors are cautioned that all forward-looking statements involve risks and uncertainties, including: the inherent risks involved in the exploration and development of mineral properties, the uncertainties involved in interpreting drill results and other exploration data, the uncertainties respecting historical resource estimates, the potential for delays in exploration or development activities, the geology, grade and continuity of mineral deposits, the possibility that future exploration, development or mining results will not be consistent with the Company’s expectations, accidents, equipment breakdowns, title and permitting matters, labour disputes or other unanticipated difficulties with or interruptions in operations, fluctuating metal prices, unanticipated costs and expenses, uncertainties relating to the availability and costs of financing needed in the future and regulatory restrictions, including environmental regulatory restrictions. These risks, as well as others, including those set forth in the Company’s filings with Canadian securities regulators, could cause actual results and events to vary significantly. Accordingly, readers should not place undue reliance on forward-looking statements and information. There can be no assurance that forward-looking information, or the material factors or assumptions used to develop such forward looking information, will prove to be accurate. The Company does not undertake any obligations to release publicly any revisions for updating any voluntary forward-looking statements, except as required by applicable securities law.

Technical Information

The scientific and technical information in this presentation has been reviewed by the following non-independent qualified persons (as defined in NI 43-101): (a) in respect of the Stillwater West Project, Mike Ostenson, P. Geo., who is a Project Geologist of the Company; and (b) all other projects of Stillwater Critical Minerals, Debbie James, P. Geo, who is an independent consultant to the Company.

Mineral resources which are not mineral reserves do not have demonstrated economic viability. With respect to “indicated mineral resource” and “inferred mineral resource”, there is a great amount of uncertainty as to their existence and a great uncertainty as to their economic and legal feasibility. It cannot be assumed that all or any part of a “measured mineral resource”, “indicated mineral resource” or “inferred mineral resource” will ever be upgraded to a higher category.

Cautionary Note to US Investors Regarding Resource Estimates

The terms “mineral resource”, “measured mineral resource”, “indicated mineral resource”, “inferred mineral resource” used herein are Canadian mining terms used in accordance with NI 43-101 under the guidelines set out in the Canadian Institute of Mining and Metallurgy and Petroleum (the “CIM”) Standards on Mineral Resources and Mineral Reserves, adopted by the CIM Council, as may be amended from time to time. These definitions differ from the definitions in the United States Securities & Exchange Commission (“SEC”) Industry Guide 7. In the United States, a mineral reserve is defined as a part of a mineral deposit which could be economically and legally extracted or produced at the time the mineral reserve determination is made. While the terms “mineral resource”, “measured mineral resource,” “indicated mineral resource”, and “inferred mineral resource” are recognized and required by Canadian regulations, they are not defined terms under standards in the United States and normally are not permitted to be used in reports and registration statements filed with the SEC. As such, information contained herein concerning descriptions of mineralization and resources under Canadian standards may not be comparable to similar information made public by U.S. companies in SEC filings. Accordingly, information herein containing descriptions of our mineral deposits may not be comparable to similar information made public by US companies subject to the reporting and disclosure requirements under US federal securities laws and the rules and regulations thereunder.

Third-Party Information

Where this presentation quotes any information or statistics from any external source, it should not be interpreted that the Company has adopted or endorsed such information or statistics as being accurate. Some of the information presented herein, including scientific and technical information on third-party projects, is based on or derived from statements by third parties, has not been independently verified by or on behalf of the Company and the Company makes no representation or warranty, express or implied, respecting the accuracy or completeness of such information or any other information or opinions contained herein, for any purpose whatsoever. References to third-party projects herein are for illustrative purposes only and are not necessarily indicative of the exploration potential, extent or nature of mineralization, or potential future results of the Company’s projects.

MANAGEMENT TEAM

Veteran Management with Proven Track Record in Exploration and Mine Development

STRONG CORPORATE & TECHNICAL MANAGEMENT



Financing & markets

Over \$650M raised
Global banking, evaluation and M&A expertise



Management

Combined 100+ years of corporate and exploration management, with juniors and majors



Exploration and development

Extensive, first-hand experience in the Stillwater and Bushveld districts, including the Platreef, among other top-tier districts and producers

MICHAEL ROWLEY President & CEO, Director

- 25+ years executive experience in the exploration, mineral processing, mine environmental industries
- Expertise in capital markets, management, exploration operations, negotiations
- Co-founder of Stillwater Critical Minerals, oversaw acquisition of the Company's district-scale assets
- Strong background in progressive mining technologies, holder of several patents
- Active in other listed exploration companies including Granite Creek Copper

GREG JOHNSON Executive Chairman

- 30 years experience in exploration, development and financing of large-scale mining projects
- Broad capital markets experience, raising over \$650 million in project financing
- Co-founder of NovaGold, former President & CEO of Wellgreen Platinum and South American Silver
- Exploration Manager Placer Dome (now Barrick Gold)
- Co-credited with discovery or expansion and advancement of major precious and base metal deposits

GREGOR HAMILTON Director

- 24 years of experience in the mining sector as a geologist, investment banker and entrepreneur
- Capital markets expertise and global experience in M&A and structured finance
- Since 2010, involved in the acquisition and development of mineral properties within both public and private resource companies in the Americas

GORDON TOLL Independent Director

- 50+ years experience as a resource industry entrepreneur and developer of large mining operations
- Past roles as Deputy Chairman of Ivanhoe Mines and Chairman of Fortescue Minerals, in addition to senior leadership and executive roles with BHP Billiton, Rio Tinto, Atlantic Richfield, Texasgulf
- Direct involvement with over \$5B raised in the resource industry

REBECCA MORIARTY Chief Financial Officer

- Chartered Professional Account with over 20 years experience in mining industry
- Formerly Manager with Pricewaterhouse Coopers, focused on mineral resource sector

ALICIA MILNE Corporate Secretary

- 20+ years of corporate secretarial & securities compliance experience with NYSE, TSX & TSX Venture listed companies, including Pretium Resources
- Member of the Governance Professionals of Canada

BRIAN CLONEY Advisor, Finance

- Over 35 years experience in public accounting and financial consulting experience with focus on the mining sector
- Past CFO of a number of publicly-traded resource companies, former Director of Stillwater Critical Minerals

TECHNICAL TEAM

World-Class Team with Experience at Stillwater, Bushveld, Platreef

DANIE GROBLER, PH.D.
Vice-President, Exploration

- 25+ years experience in global exploration, mine geology and project management, **including Head of Geology and Exploration for Ivanhoe Mines where he led the delineation and advancement of the Platreef PGE-Ni-Cu mine**
- 18 years senior experience in Platreef-style deposits, including as Project Manager at **Platinum Group Metals, Ltd.**
- World-recognized expert in the discovery and mining of battery and platinum group metals in ultramafic magmatic systems

ALBIE BRITS, P.GEO.
Senior Geologist

- 28 years focused on the advancement of projects from grassroots level to advanced exploration and full-scale mining operations
- **Former Senior Geologist and Manager Project Geology for Ivanhoe Mines** focused on exploration for platinum group elements and base metals on the northern limb of the Bushveld complex

CRAIG BOW, PH.D.
Senior Geological Advisor

- 40+ years experience in global exploration, mine geology, and project management, **including exploration of the J-M Reef and advancement of the initial Stillwater Pd-Pt mine to production**
- Recognized expert on global PGE-Ni-Cu systems, part of the team responsible for multi-million-ounce Arctic Platinum partnership (Gold Fields/Outokumpu), former Exploration Mgr for Gold Fields, Sr. Technical positions for Cyprus Amax, Newcrest & AngloGold Ashanti

MIKE OSTENSON, P.GEO.
Managing Geologist, Qualified Person

- **20 years experience in the Stillwater district** including former VP Exploration for Premium Exploration and Senior Technical roles for Beartooth Platinum, Stillwater Mining Co. and AngloGold

JUSTIN MODROO, P.GEO.
Project Geophysicist

- **20 years industry experience, including work in the Stillwater Complex** with Premium Exploration and Beartooth Platinum

“The recognition of a Platreef setting in the Stillwater district is an exciting development”

- Dr. David Broughton, September 2018 –

Former Chief Geologist for Ivanhoe Mines and co-recipient of AME BC's 2016 Colin Spence Award for Excellence in Global Mineral Exploration for Ivanhoe's Flatreef discovery

TECHNICAL TEAM

Advisory Team

HARRY BURGESS, P.ENG.

Advisor, Mining & Mine Engineering

- 40+ years of mine engineering and management experience including senior positions with Anglo-American and others in Zambia and South Africa
- Co-founder of Micon International Limited

GARTH KIRKHAM, P.GEO. P.GEOPH.

Advisor, Geology & Mining

- 34+ years experience in the mineral exploration industry as a board member, leader, and geoscientist
- Founder of Kirkham Geosystems Ltd and was a founding director of Stillwater Critical Minerals
- Numerous professional designations and awards

DOUG WARKENTIN, P.ENG.

Advisor, Processing & Metallurgy

- 30+ years of experience in the mining and mineral processing industries
- Currently Senior Metallurgist at Kemetco Research Inc.
- Co-founder and former Director of Stillwater Critical Minerals

Industry Partners



- United States Geological Survey has decades of experience in the Stillwater complex
- **USGS maintains lists of critical minerals for the US Government**
- Data sharing agreement with the USGS brings access to a broader database, substantial expertise, and cutting edge analytical techniques



THE UNIVERSITY
OF BRITISH COLUMBIA

- Examination of the **potential for carbon sequestration as part of a potential mining operation at Stillwater West**
- Work to date has confirmed the potential to react carbon dioxide with ultramafic rocks at Stillwater West in a process known as mineral carbonation
- Potential to further reduce or completely offset the carbon footprint of critical minerals at Stillwater West, in addition to possible tax credits during production



- Application of GoldSpot Discoveries' proprietary Artificial Intelligence and machine-learning analysis tools to Stillwater West's substantial database for **enhanced target development and further increased discovery rate**

STILLWATER WEST

NI 43-101 Mineral Resource Estimate - October 2021

BASE CASE: 0.20% NiEq cut-off (equals 0.53 g/t PdEq)*

157 Mt at 0.45% NiEq (or 1.20 g/t PdEq) for contained metal of:

694 Mlbs Nickel	AND	758 Koz Platinum	AND	303 Koz Gold
347 Mlbs Copper		1,314 Koz Palladium		
69 Mlbs Cobalt		61 Koz Rhodium		

Lower Grade Total:

1.1 Blbs battery metals
2.4 Moz PGEs + gold
- or -
1.6 Blbs NiEq / 6 Moz PdEq

HIGHER GRADE: 0.35% NiEq cut-off (equals 0.93 g/t PdEq)*

97 Mt at 0.55% NiEq (or 1.47 g/t PdEq) for contained metal of:

535 Mlbs Nickel	AND	530 Koz Platinum	AND	249 Koz Gold
278 Mlbs Copper		999 Koz Palladium		
43 Mlbs Cobalt		40 Koz Rhodium		

Higher Grade Total:

857 Mlbs battery metals
1.8 Moz PGEs + gold
- or -
1.2 Blbs NiEq / 4.6 Moz PdEq

- Planned 2022 resource update

Mineral Resources are reported at a base case cut-off grade of 0.20% NiEq. Cut-off grades and equivalents are based on metal prices of \$7.00/lb Ni, \$3.50/lb Cu, \$20.00/lb Co, \$900/oz Pt, \$1,800/oz Pd and \$1,600/oz Au, with assumed recoveries of 80% for Ni, 85% for Cu, 80% for Co, Pt, Pd and Au, a mining cost of US\$2.20/t rock, and processing and G&A cost of US\$12.75/t mineralized material. Mineral Resources are not Mineral Reserves as they do not have demonstrated economic viability. The quantity and grade of reported Inferred Resources are uncertain in nature and there has been insufficient exploration to define these Inferred Resources as Indicated or Measured. However, based on the current knowledge of the deposits, it is reasonably expected that the majority of Inferred Mineral Resources could be upgraded to Indicated Mineral Resources with continued exploration.

HIGH-DEMAND COMMODITIES

Attractive 'Internally Hedged' Blend of Commodities

Platinum Group Elements (PGEs)

46 Pd Palladium 106.42	78 Pt Platinum 195.08	45 Rh Rhodium 102.91
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'GREEN' METALS

Battery Metals

28 Ni Nickel 58.693	29 Cu Copper 63.546	27 Co Cobalt 58.933
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79 Au Gold 196.967

Gold

303 Koz gold in Oct 2021 mineral resource estimate*, plus drill-defined high-grade gold at the Pine target at Stillwater West, and at the Black Lake – Drayton project

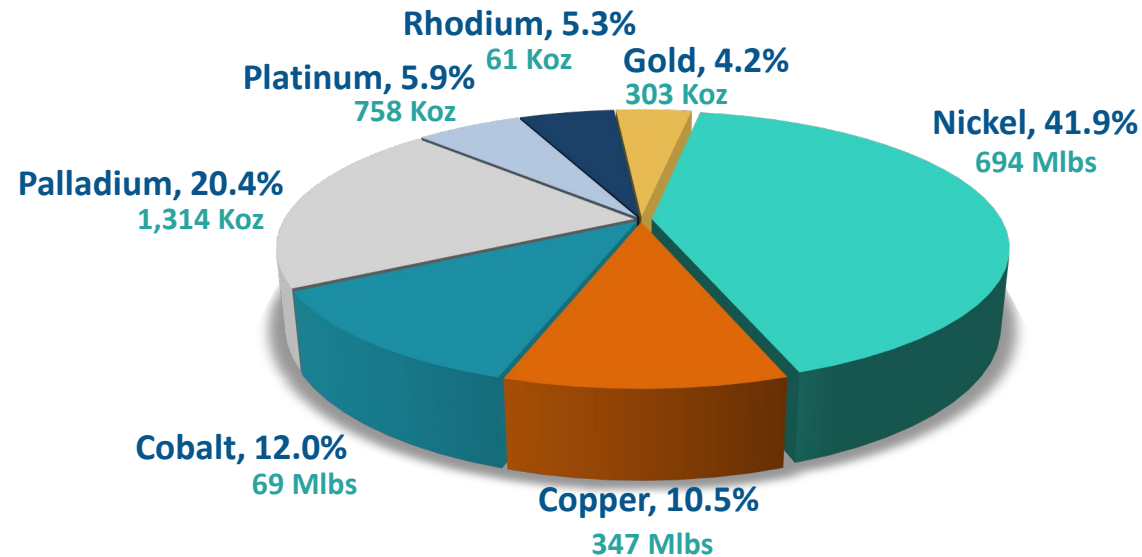
24 Cr Chromium 51.996

Chromium

Chromium was recently listed as critical in the US, and the Stillwater district is well-known for historic high-grade chromium production. The 2021 Stillwater West mineral resource estimate inventoried 1.3 billion pounds of chromium that are not included in equivalency calculations.

Stillwater West Commodities by Value¹

Gross value and contained metal at 0.20% NiEq cut-off per Oct 2021 Resource Estimate²



OBJECTIVE

To become a primary US-based source of low-carbon battery and precious metals to meet surging demand from green transportation and energy needs

METALS

Eight target commodities identified as 'critical' by the US Government with the objective of securing domestic supplies

LOCATION

Located in a famously productive and metal-rich US mining district, which hosts world-class mines and a smelter-refinery complex

STILLWATER WEST

Montana - Resource Industries

TSX-V:
PGE

OTCQB:
PGEZF

FSE:
5D32

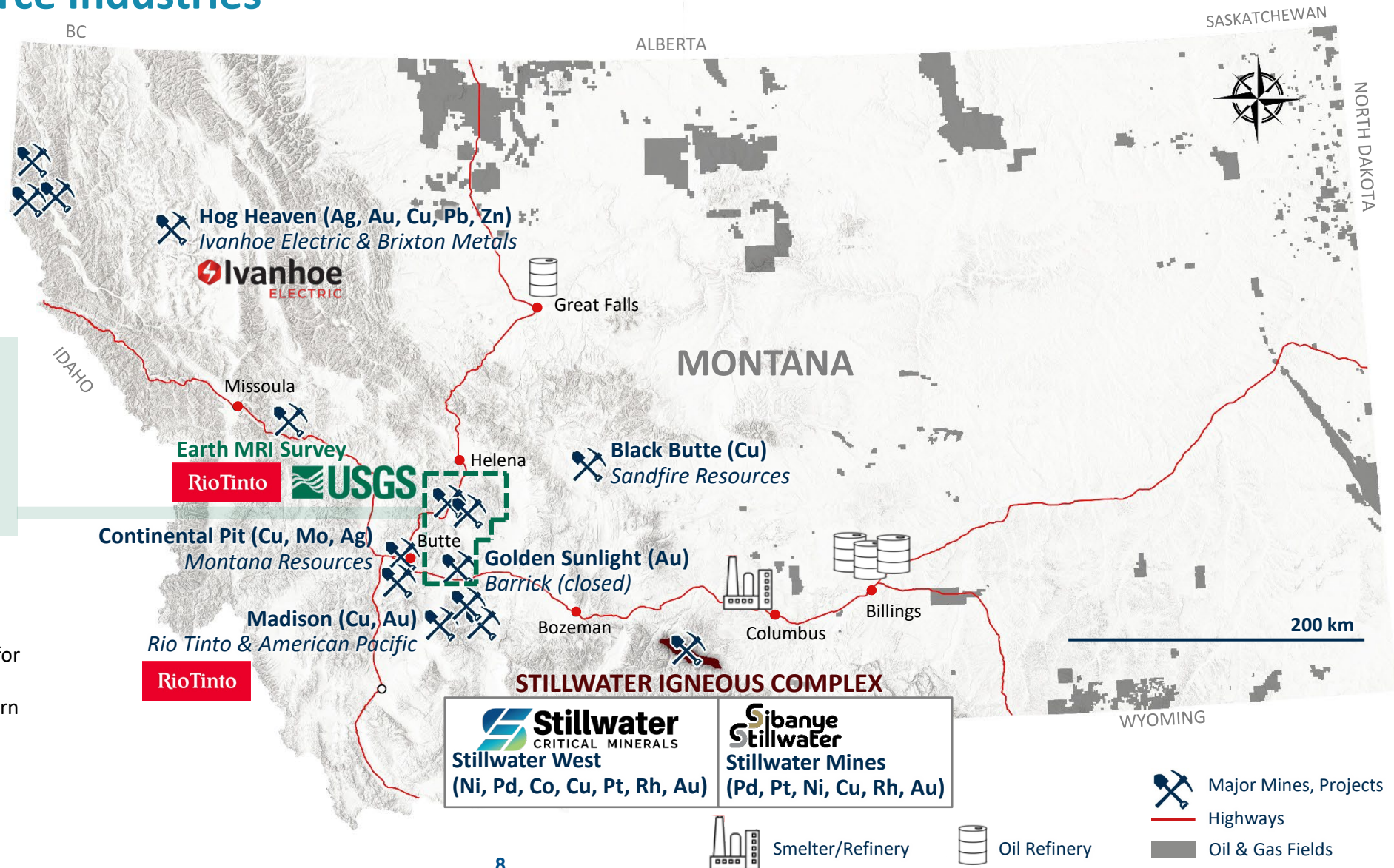
Long history of mineral wealth:

- Oil, gas, coal, and mining are major revenues for the state
- 1852 gold rush
- Dominant North American copper producer by WWI
- Large-scale copper mining and smelting to 1980s, mining continues today

Rio Tinto partnered with the **US Geological Survey** for the **Earth Mapping Resources Initiative**, a large geophysical survey targeting critical minerals including rare earth elements, tellurium, tin, tungsten, also copper, molybdenum, and gold, in 2022

Other recent investments by major mining companies include:

- Ivanhoe at Hog Heaven: \$44.5M for 75% with Brixton Metals
- Rio Tinto at Madison: \$30M to earn 70% with American Pacific



STILLWATER WEST

District – Mines, Infrastructure and Land Status

TSX-V:
PGE

OTCQB:
PGEZF

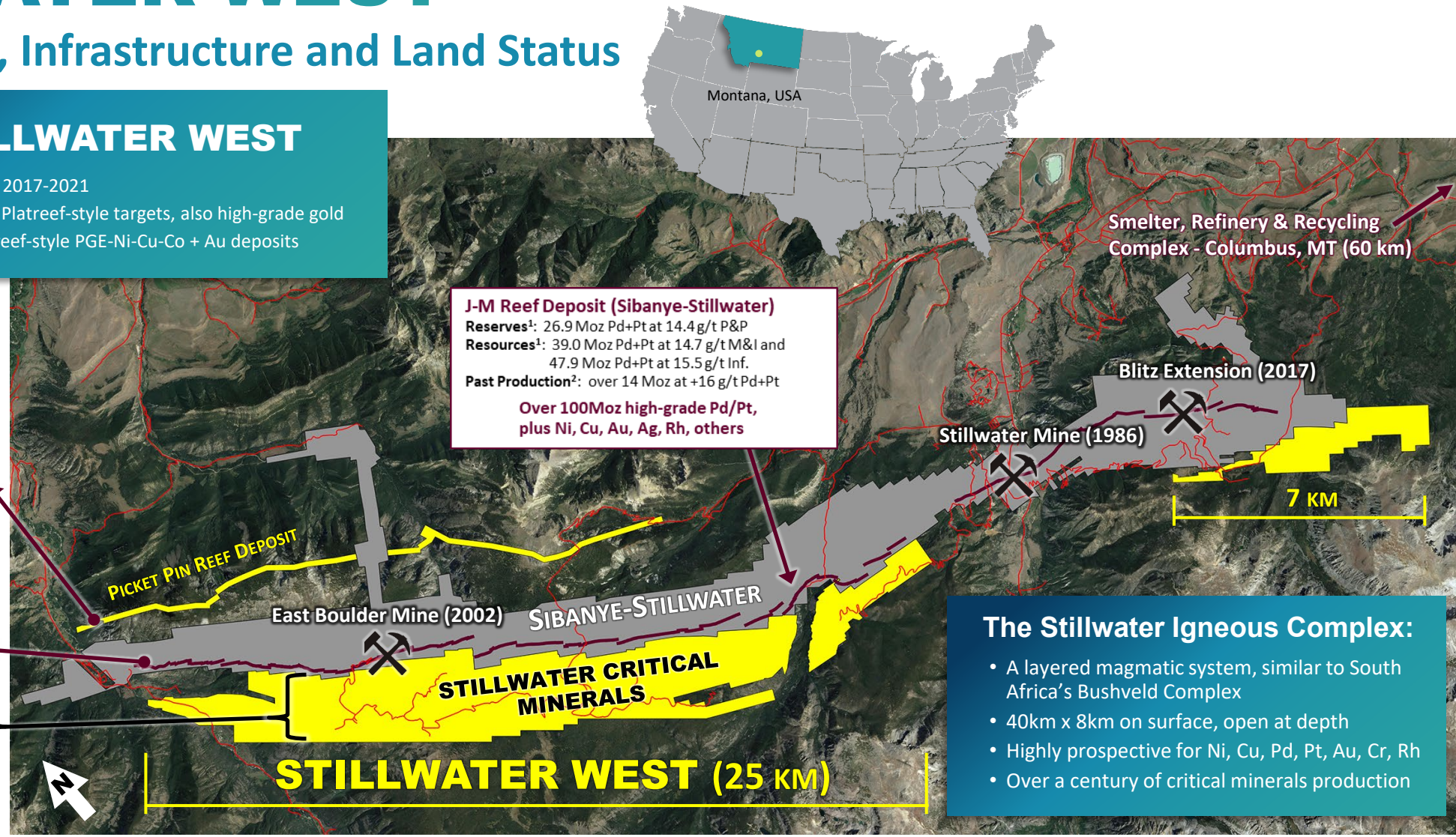
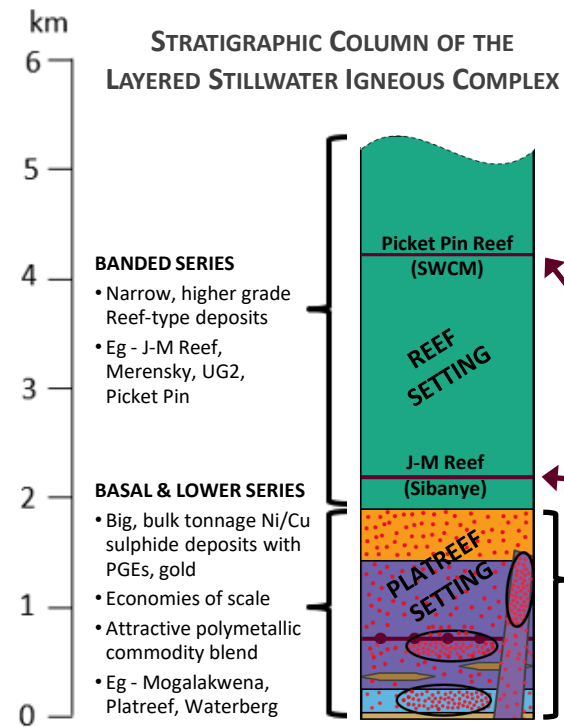
FSE:
5D32

**100%
owned**

Large 61 km²
claim block

STILLWATER WEST

- Acquired 2017-2021
- Reef and Platereef-style targets, also high-grade gold
- Five Platereef-style PGE-Ni-Cu-Co + Au deposits



The Stillwater Igneous Complex:

- A layered magmatic system, similar to South Africa's Bushveld Complex
- 40km x 8km on surface, open at depth
- Highly prospective for Ni, Cu, Pd, Pt, Au, Cr, Rh
- Over a century of critical minerals production

1: References to adjoining properties are for illustrative purposes only and are not necessarily indicative of the exploration potential, extent or nature of mineralization or potential future results of the Company's projects.
 2: Based on publicly disclosed production statistics of Sibanye-Stillwater including most recent CPR: <https://www.sibanyestillwater.com/business/reserves-and-resources/>

STILLWATER WEST

Five Deposits Across 12km Core Area

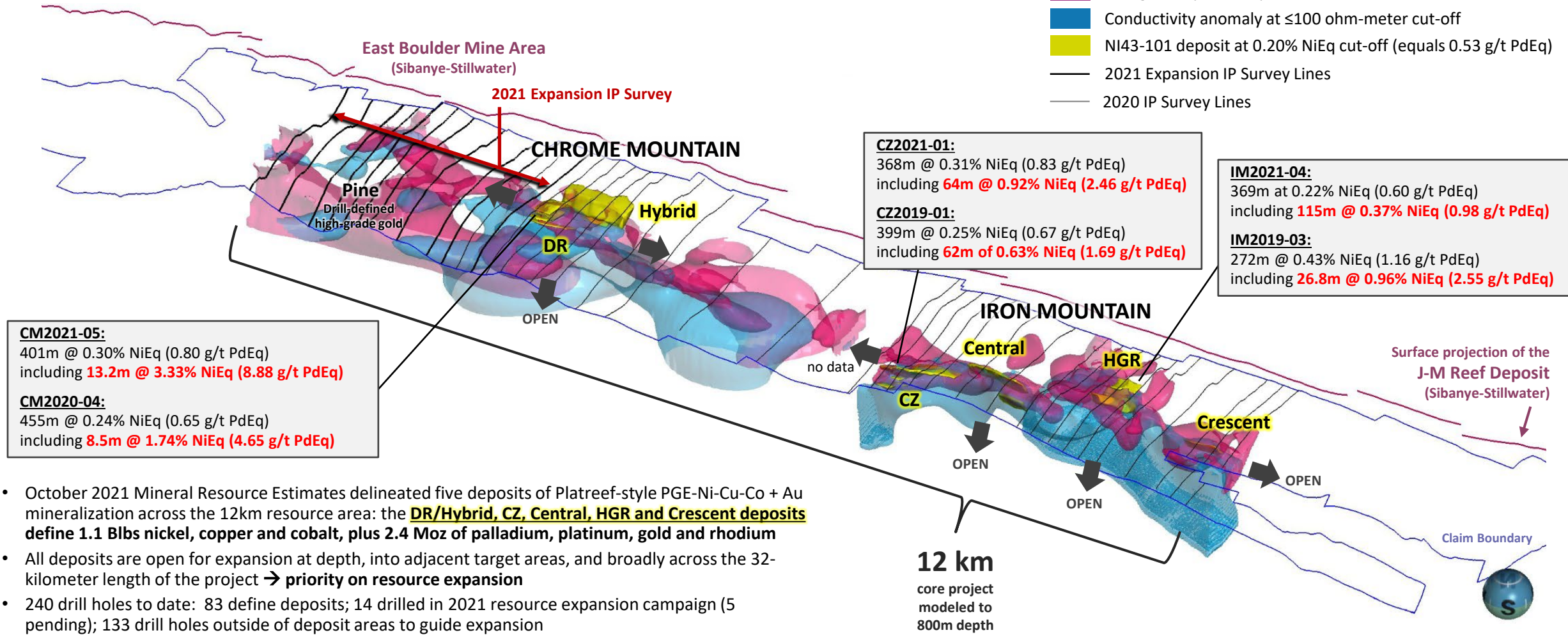
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PGE

OTCQB:
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FSE:
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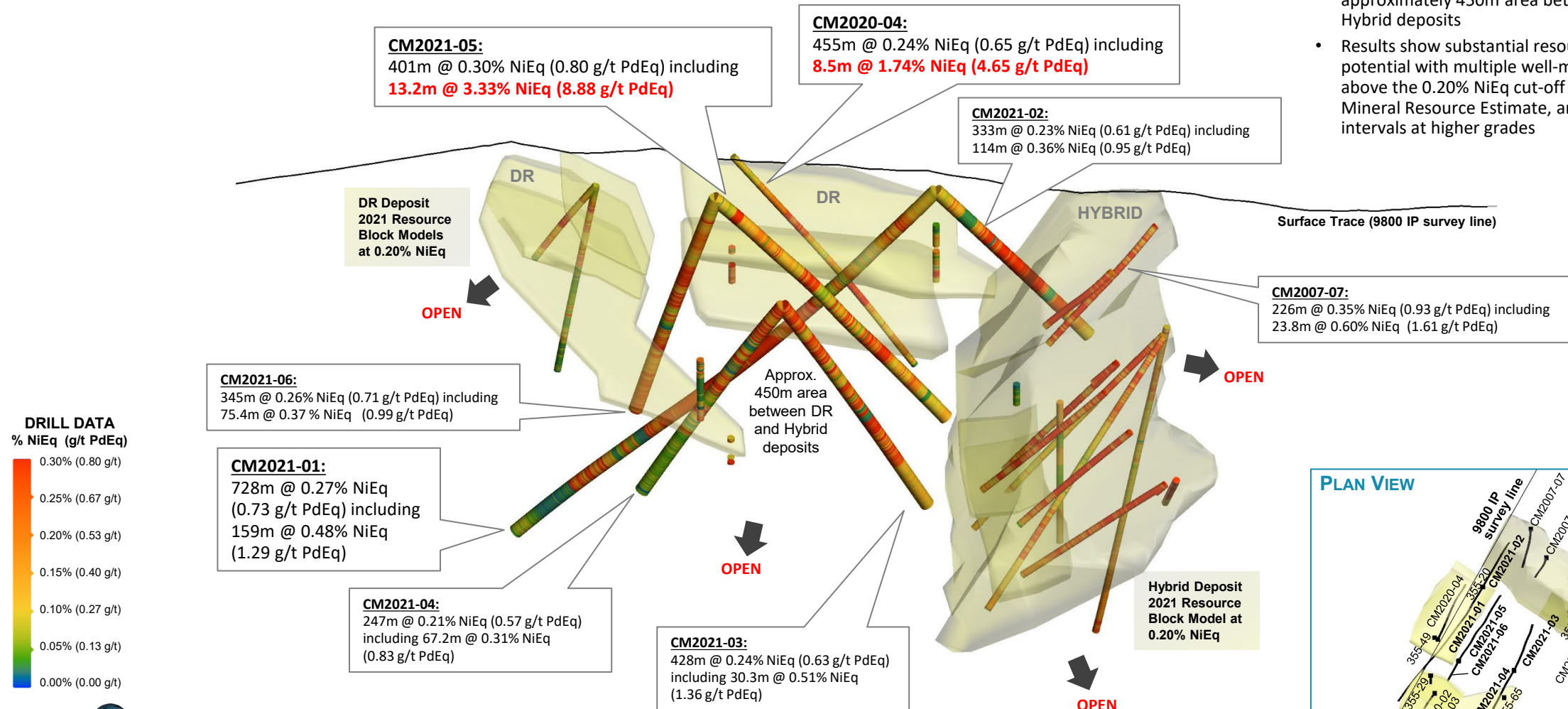
2021 Mineral Resource Estimate with 3D Model of Combined 2020 & 2021 IP Geophysical Survey Results

- Chargeability anomaly at ≥ 45 mV/V cut-off
- Conductivity anomaly at ≤ 100 ohm-meter cut-off
- NI43-101 deposit at 0.20% NiEq cut-off (equals 0.53 g/t PdEq)
- 2021 Expansion IP Survey Lines
- 2020 IP Survey Lines

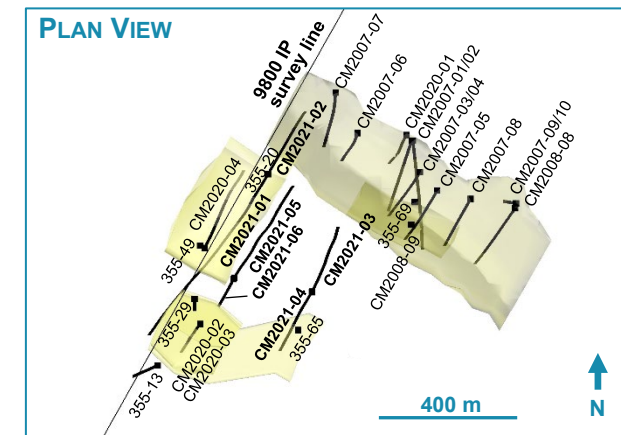


STILLWATER WEST

Expansion Drill Results in the DR/Hybrid Deposit Area, Chrome Mountain



- Six expansion holes drilled in 2021 in the approximately 450m area between DR and Hybrid deposits
- Results show substantial resource expansion potential with multiple well-mineralized intervals above the 0.20% NiEq cut-off of the 2021 Mineral Resource Estimate, and contained intervals at higher grades



STILLWATER WEST

Soil Geochemistry

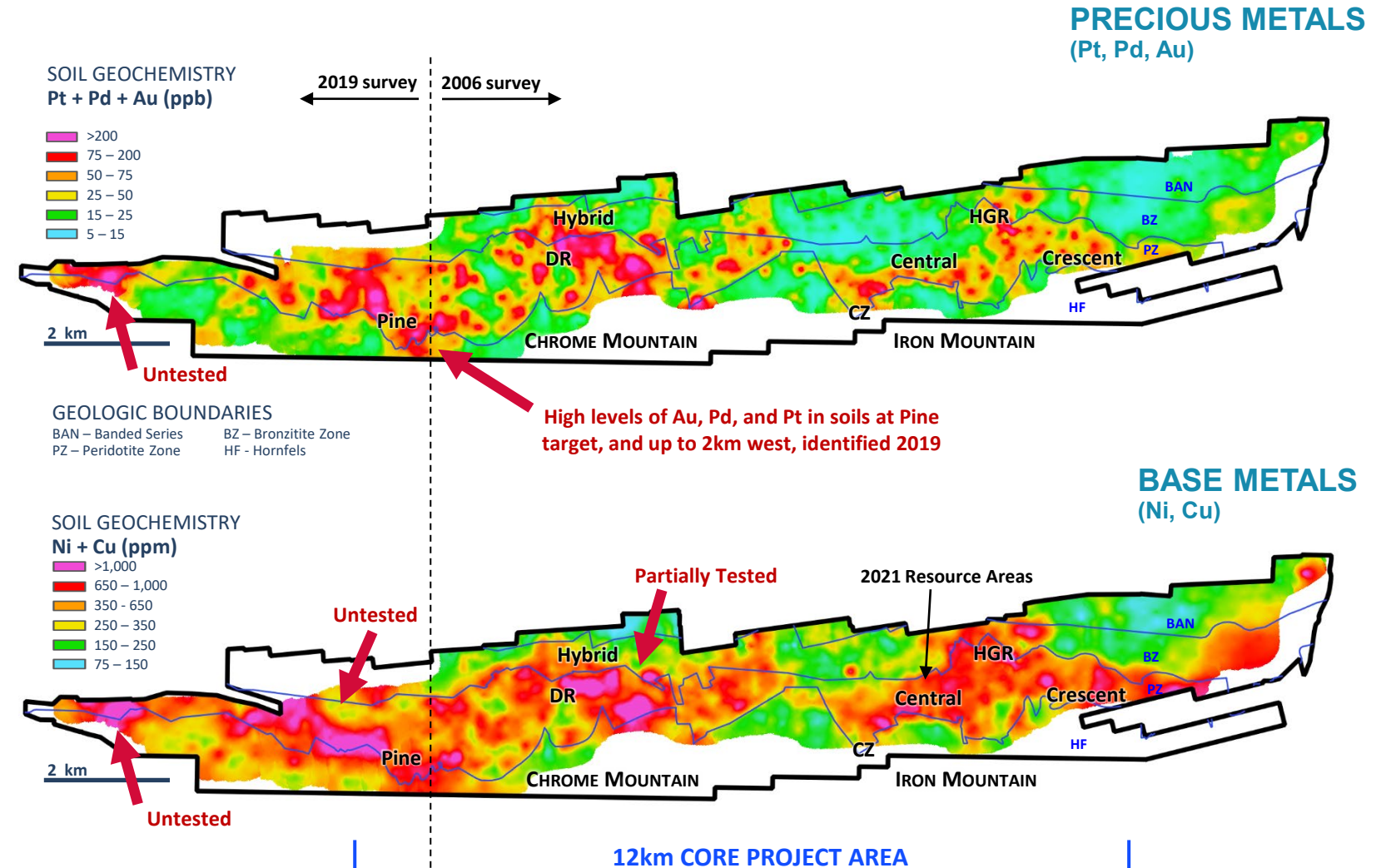
TSX-V:
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FSE:
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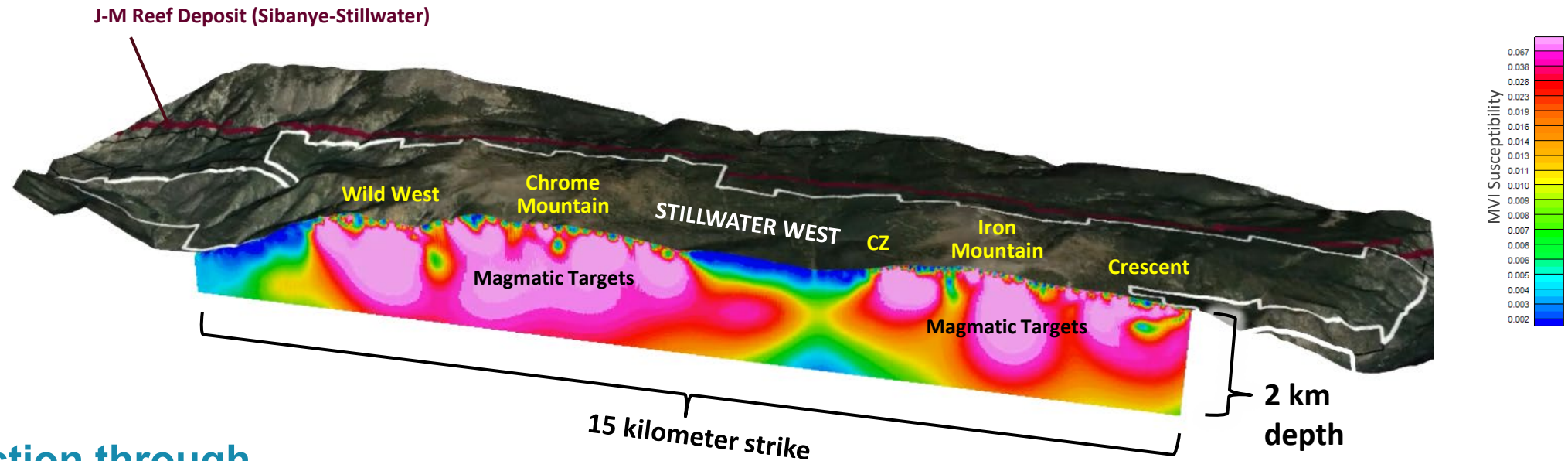
Highly anomalous precious and base metal values cover 25km strike in lower Stillwater stratigraphy

- High levels of platinum, palladium, gold, nickel, copper and other metals in soil geochemistry across very large areas
- Gold, cobalt, chromium and other metals also highly anomalous across large areas
- Strong soil response proximal to known mineralization in deposit areas provide priority targets and demonstrates the effectiveness of soils as an exploration tool at Stillwater, especially in the Peridotite Zone (PZ)
- Four new kilometer-scale soil anomalies identified (untested to date) in 2019, including expansion of highly anomalous gold in soils at Pine target area
- Strong spatial correlation with broad, high-level electro-magnetic conductor anomalies



STILLWATER WEST

Kilometer-Scale Magmatic Targets in a Famously Metal-Rich District



Long-section through Stillwater West

Magnetic Vector Inversion (MVI) results showing kilometer-scale exploration targets (pink areas) that continue below known mineralized areas at Stillwater West, including the five deposit areas (yellow text). Potential for significant depth extension, including possible magmatic feeder zones.

STILLWATER WEST

Progress and Next Steps

TSX-V:
PGE

OTCQB:
PGEZF

FSE:
5D32

2017 – 2018

- Acquisition, expansion
- Data compilation and modeling
- Initial field programs

2019

- Initial block modeling of most advanced targets
- Iron Mtn drill program, plus re-logging/re-assay of past core
- Confirmation of Platreef-style mineralization
- Collaboration with GoldSpot (AI and machine-learning)

2020

- Chrome Mountain drill program
- IP survey and 3D model over core 9.2km area
- Drill-defined Platreef-style mineralization modeled in four target areas
- Discovery of four new multi-kilometre-scale soil anomalies
- High-grade gold and rhodium results

2021

- Inaugural resource estimates
- Largest drill campaign to date
- Expanded IP survey
- Prioritize expansion targets

2017

2018

2019

2020

2021

2022 &
BEYOND



UPCOMING CATALYSTS

- ✓ Key additions to technical team
 - Drill results
 - 2022 exploration plans
 - Agreements on secondary assets
 - ESG and metallurgy updates
 - Updated resource estimate (target 2022)

CAPITAL STRUCTURE

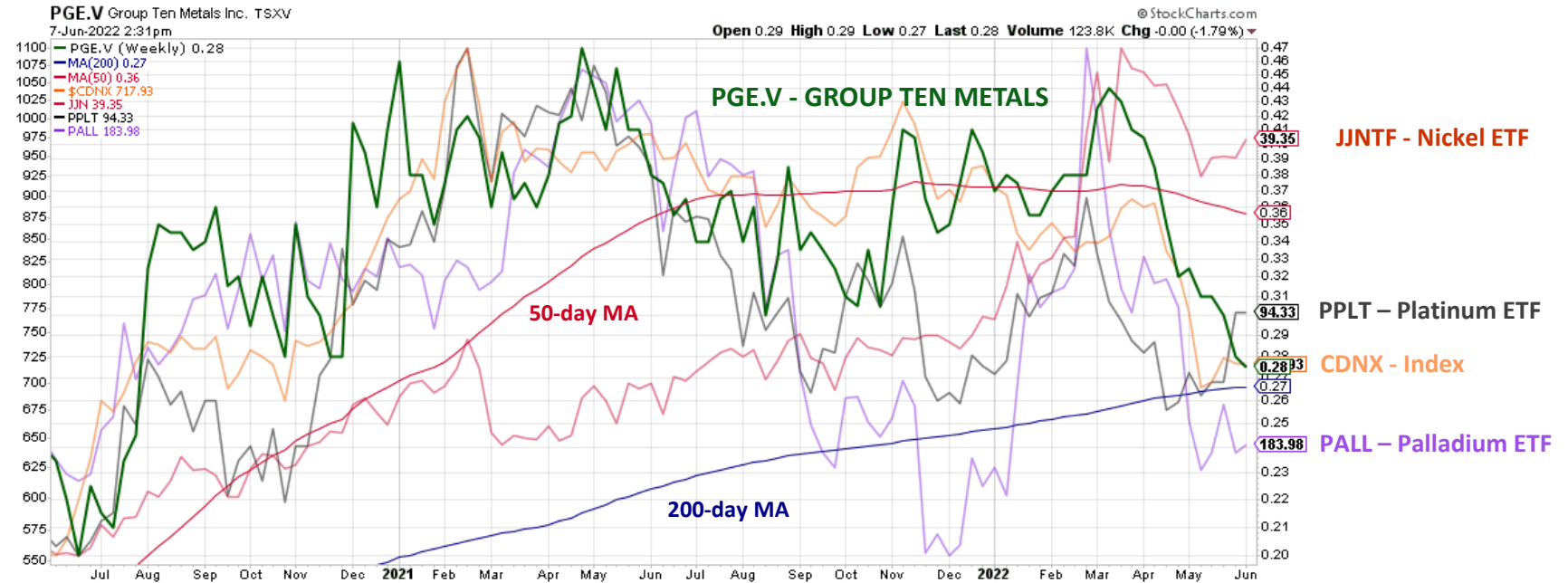
& Relative Share Performance

Visibility to over \$7M:

- Approx \$3M cash
- ~\$4M in-the-money warrants and options

Other value:

- 2.8M Heritage Mining shares pending (price tbd)



Share price (as of June 6, 2022)

Shares issued & outstanding

Options (average exercise price: \$0.23)

Warrants (average exercise price: \$0.30)

Fully diluted shares

Market capitalization (basic)

Cash & cash equivalents balance (no debt)

In-the-money options & warrants

C\$0.28

170M

14M

42M

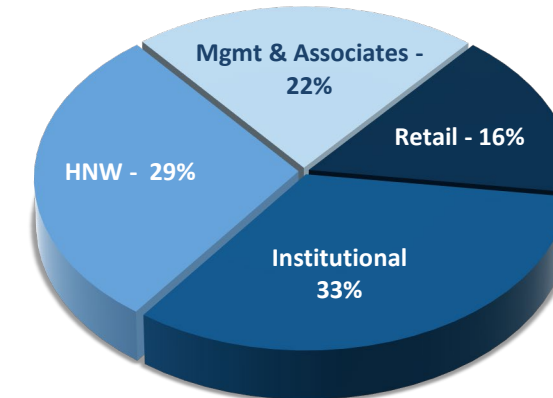
226M

C\$48M

~C\$3M

~C\$4M

SHAREHOLDER COMPOSITION





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